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PTO/SB/05 (2/98)  
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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	38-21(15454)B
	First Named Inventor or Application Identifier	FISHER, Dane K.
	Title	Nucleic Acid Molecules and Other Molecules Associated with Plants
	Express Mail Label No.	

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents</i>	<b>ADDRESS TO:</b> Assistant Commissioner for Patent Box Patent Application Washington, DC 20231
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1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082) <i>(Submit an original and a duplicate for fee processing)</i>	6. <input type="checkbox"/> Microfiche Computer Program <i>(Appendix)</i>
2. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages 102]</span> <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R&amp;D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claims</li><li>- Abstract of the Disclosure</li></ul>	7. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> <ul style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> Computer Readable Copy</li><li>b. <input checked="" type="checkbox"/> Paper Copy (identical to computer copy)</li><li>c. <input checked="" type="checkbox"/> Statement verifying identity of above copies</li></ul>
3. <input type="checkbox"/> Drawing(s) <i>(35 USC 113)</i> <span style="float: right;">[Total Sheets ]</span>	<b>ACCOMPANYING APPLICATION PARTS</b> 8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> 10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two) <i>(should be specifically itemized)</i> 14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Other:
4. Oath or Declaration <span style="float: right;">[Total Pages 6]</span> <ul style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li><li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 17 completed)</i> <i>[Note Box 5 below]</i><ul style="list-style-type: none"><li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li></ul></li></ul>	
<input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i> The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	
<small>*NOTE FOR ITEMS 1 &amp; 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</small>	

17. If a <b>CONTINUING APPLICATION</b> , check appropriate box and supply the requisite information:	
<input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)	of prior application No: /
Prior Application Information: Examiner: Group/Art Unit:	

18. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label <span style="float: right;">or <input checked="" type="checkbox"/> Correspondence address below</span> <i>(Insert Customer No. or Attach bar code label here)</i>					
NAME	Lawrence M. Lavin, Jr., Esq. MONSANTO COMPANY				
ADDRESS	800 N. Lindbergh Boulevard Mail Zone N2NB				
CITY	St. Louis	STATE	Missouri	ZIP CODE	63167
COUNTRY	US	TELEPHONE	(314) 694-3602	FAX	(314) 694-1671
Name (Print/Type)	Lawrence M. Lavin, Jr.		Registration No. (Attorney/Agent)	30,768	
Signature	<i>Lawrence M. Lavin Jr</i>		Date	September 15, 1999	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Reg. No. 41,408

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: Dane K. FISHER *et al.*

For: Nucleic Acid Molecules and Other Molecules Associated with Plants

Enclosed are:

- ☒ A Combined Declaration and Power of Attorney, executed by inventor Dane K. Fisher (3 pages).
- ☒ A Combined Declaration and Power of Attorney, executed by inventor Raghunath V. Lalgudi (3 pages).
- ☒ An Information Disclosure Statement.
- ☒ Form PTO-1449 (3 pages) with 8 accompanying documents.
- ☒ Statement Regarding Sequence Listing.
- ☒ A CD-ROM containing the sequence listing.

The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
BASIC FEE				\$ 395.00	OR		\$ 760.00
TOTAL CLAIMS	7 -20 =	* 0	x 9 =		OR	x 18 =	0.00
INDEP. CLAIMS	3 -3 =	* 0	x 39 =		OR	x 78 =	0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+ 130 =		OR	+ 260 =	0.00
			TOTAL		OR	TOTAL	\$ 760.00

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

\_\_\_\_ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is attached.

☒ Howrey & Simon Check No. 316232 in the amount of \$ 760.00 to cover the filing fee is enclosed.

☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 13-4125. A duplicate copy of this sheet is attached.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 13-4125. A duplicate copy of this sheet is enclosed.

☒ Any patent application processing fees under 37 CFR 1.17.

☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date September 15, 1999

Lawrence M. Lavin, Jr. by  
Lawrence M. Lavin, Jr. (Reg. No. 30,768)  
Attorney of Record  
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800 N. Lindbergh Boulevard, Mail Zone N2NB  
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Telephone: (314) 694-3602

Ed R. Marshall  
Reg. No. 41,408

September 15, 1999

**Box Patent Application**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Re: U.S. Non-Provisional Utility Patent Application  
Application No.: To Be Assigned  
Filed: Herewith  
For: **Nucleic Acid Molecules and Other Molecules  
Associated with Plants**  
Inventors: Dane K. FISHER *et al.*  
Atty. Docket: 38-21(15454)B

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Utility Patent Application Transmittal (PTO/SB/05);
2. Form PTO-1082 (in duplicate);
3. U.S. Utility Patent Application entitled:

**Nucleic Acid Molecules and Other Molecules Associated with Plants**

and naming as inventors:

**Dane K. FISHER and Raghunath V. LALGUDI**

the application consisting of:

- a. A specification containing:
  - (i) 100 pages of a description prior to the claims;
  - (ii) 1 page of claims (7 claims);
  - (iii) a one (1) page abstract; and
  - (iv) 24,446 pages of a sequence listing;

4. A Combined Declaration and Power of Attorney, executed by inventor Dane K. Fisher (3 pages);
5. A Combined Declaration and Power of Attorney, executed by inventor Raghunath V. Lalgudi (3 pages);
6. Statement Regarding Sequence Submission;
7. A CD-ROM containing the sequence listing;
8. Information Disclosure Statement;
9. Form PTO-1449 (3 pages), with 8 accompanying documents;
10. Howrey & Simon Check No. 316232 in the amount of \$760.00 to cover the basic filing fee; and
11. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

Respectfully submitted,



David R. Marsh (Reg. No. 41,408)

Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Dane K. FISHER *et al.*

Appln. No.: To Be Assigned

Filed: September 15, 1999

For: Nucleic Acid Molecules and Other  
Molecules Associated with Plants

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 38-21(15454)B

**Statement Regarding Sequence Submission**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above-mentioned application are the same.

Respectfully submitted,

*Lawrence M. Lavin, Jr.*

Lawrence M. Lavin, Jr. (Reg. No. 30,768)

Date: September 15, 1999

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*by*  
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